2000-359601/31 A96 D21 **KAOS 1998.10.12**
KAO CORP *JP 2000119171-A
1998.10.12 1998-289146(+1998JP-289146) *(2000.04.25)* A61K 7/50, 7/02, C11D 3/37, A61K 7/48 // C11D 17/06

Disintegratable particles for skin detergents comprise primary particles partially insoluble in water, coagulated with water soluble binder containing carboxylic acid-modified polyvinyl alcohols and carboxymethyl cellulose salts

C2000-108866

A(10-E1, 10-E9A, 12-W12B) D(8-B9A)

NOVELTY

Disintegratable particles comprise primary particles at least partially insoluble in water, coagulated with a water soluble binder containing one or more of carboxylic acid-modified polyvinyl alcohols and carboxymethyl cellulose salts. The coagulated body of particles disintegrates in aqueous solution containing water soluble salts when the concentration of the salts dissolved decreases.

DETAILED DESCRIPTION

An INDEPENDENT CLAIM is also included for a cosmetic material composition containing the particles, water-soluble salt(s), surfactant(s) and water with a content of the particles of 1-25 wt.% and a concentration of the salt(s) equal to or higher than 1.0 wt.% and below the solubility.

USE

Useful for skin detergents, such as facial cleansers, body soaps and solid soaps.

ADVANTAGE

The composition containing the particles has good mechanical cleaning properties, high stability with time and a good feel in use. The particles do not cause skin inflammation and are easy to wash away.

TECHNOLOGY FOCUS

Organic Chemistry - Preferred particles: The cellulose salts have a degree of etherification of 0.2-1.2. The particles disintegrate at least partially in the cleaning and rinsing processes, and the disintegrating rate for disintegration to particles of upto 74 μm particle sizes is at least 70 wt.% for the particles before cleaning. The crystals have particle sizes of 5-500 μm.

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